

**DIRECT MICRO-PATTERNING OF LIPID  
BILAYERS USING UV LIGHT AND SELECTED USES THEREOF**

**ABSTRACT OF THE DISCLOSURE**

5        This invention provides novel methods for creation of patterned lipid bilayer membranes as well as methods for refunctionalization of such patterned membranes with selected components. Such components optionally comprise, e.g., lipid bilayer membranes (which optionally comprise specific proteins), proteins, non-biologic moieties, etc.

10